To: Stan Kaczmarek[StanK@demaximis.com]; BudneySL@cdmsmith.com[BudneySL@cdmsmith.com]; Vaughn, Stephanie[Vaughn.Stephanie@epa.gov]
Cc: PassaroML@cdmsmith.com[PassaroML@cdmsmith.com]; Gary.Foster@CH2M.com[Gary.Foster@CH2M.com]; George.Hicks@CH2M.com[George.Hicks@CH2M.com]; James.Brinkman@CH2M.com[James.Brinkman@CH2M.com]; John Rolfe[jrolfe@demaximis.com]; Willard Potter[otto@demaximis.com]; Robert Law[rlaw@demaximis.com]
From: Hoppe, Michael
Sent: Wed 10/2/2013 6:02:29 PM
Subject: RE: Sediment Sampling and Poling, Cuts 4T and 6T

Stan,

The 6T area doesn't look like an area that can be dredged, based on the data that you provided.

I have reviewed the 4T data and believe that additional material could be recovered. Although some material is unevenly dispersed, areas including shoreline5 to 25 feet between 15 and 20 feet from shore, shoreline 80 to 95 between 15 to 30 feet from shore, and shoreline 40 feet between 15 and 35 feet look like areas a final attempt for recovery should be made (should an attempt be made do not limit attempts based on these location notes, rather actual operational success/failures in area 4T during the final attempt).

I understand the issue with the size of the bucket, however, alterations to the approach can be made. Try to find an area in 4T with a recoverable bucket and work out from there in a radial pattern or in a section like at shoreline 40 foot, work from the deep (channel) side straight in at shorter intervals until the ultimate refusal point is encountered. I realize I am making this sound simplistic, but these are professional operators and a final attempt at removal needs to be seriously considered.

I will be in the field and available by phone or can meet at the Rutherford office to discuss further, if needed.

Thank you.

Michael Hoppe

Michael Hoppe

Federal On-Scene Coordinator

USEPA Region 2

Response and Prevention Branch

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From: Stan Kaczmarek [mailto:StanK@demaximis.com]
Sent: Wednesday, October 02, 2013 10:16 AM
To: BudneySL@cdmsmith.com; Hoppe, Michael; Vaughn, Stephanie
Cc: PassaroML@cdmsmith.com; Gary.Foster@CH2M.com; George.Hicks@CH2M.com; James.Brinkman@CH2M.com; John Rolfe; Willard Potter; Robert Law
Subject: Sediment Sampling and Poling, Cuts 4T and 6T

Mike, Stephanie and Sharon,

To further characterize the undercut areas identified in Cuts 4T and 6T, a poling investigation and sediment sampling was conducted. The poling was conducted on 5 foot centers and seven (7) sediment samples were collected. The results from these investigations are attached. The data points highlighted in yellow represent areas where 1) the dredging operations undercut the minimum average design depth of 1.75 feet for a 10 ft by 10 grid, and 2) the poling investigation determined that there was sand, gravel and or sediment present at depths greater than or equal to 1 foot. These conditions were only found in Cut 4T. The blue highlighted areas indicate the approximate location of the sediment sampling. In addition, a table indicating the number of attempts required to collect 20 oz of sediment from each sampling location is provided.

The results of the poling and sediment sampling indicate that the areas of soft sediment which remain in Cut 4 are localized and unevenly dispersed between areas of hard subsurface material. While the open environmental bucket covers a nominal area 5 ft X 10 ft, an area of 7 X 12 ft is used to determine if there is enough maneuverability to place the buckets and take that cut. This size would be represented by a group of highlighted blocks 2 by 3 in size. Areas smaller than 7 ft by 12 ft are considered undredgeable. Therefore, as the highlighted areas in Cut 4T do not form a dredgeable 7 ft x 12 ft area no further dredging will be attempted.

CPG will provide analytical results for the underlying sediment in these areas as soon as they become available.

Stan Kaczmarek, PE

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